

METHOD AND APPARATUS FOR QUEUING DIFFERENT TRAFFIC TYPES

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ABSTRACT

A traffic management processor for processing different types of traffic flows includes a departure time calculator (DTC) circuit for calculating a departure time for each packet received, a content addressable memory (CAM) device coupled to the DTC circuit and having a plurality of rows, each row including a first portion for storing the departure time for a corresponding packet and including a second portion for storing a bit indicating a traffic type for the packet, and compare logic coupled to the CAM device and configured to determine which of the departure times stored in the CAM device is the earliest.